

TRANSMITTAL LETTER

IFW ✓



Application of:  
Jaap VAN DER LOUW et al.

Serial No.: 10/584,006  
Filing Date: June 22, 2006

Title: STEROIDS HAVING A MIXED ANDROGENIC  
AND PROGESTAGENIC PROFILE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Docket No: 2003.810 US

Examiner: ---

Group Art Unit: ---

**CERTIFICATE OF MAILING**

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P.O. Box 1450, Alexandria, VA 22313-1450

on March 8, 2007

Lynn Brush  
Lynn Brush

Sir:

☒ Transmitted herewith find the document(s) related to this application:

1. TRANSMITTAL LETTER IN DUPLICATE;
2. CHANGE OF ADDRESS; \*
3. INFORMATION DISCLOSURE STATEMENT;
4. PTO-1449 FORM;
5. DOCUMENTS (18);
6. CERTIFICATE OF MAILING; and
7. POST CARD

☐ Applicant hereby petitions for an extension of time under 37 CFR 1.136 of:

- |   |  |
|---|--|
| <input type="checkbox"/> One Month (\$ 120.00)    | <input type="checkbox"/> Two Months (\$ 450.00)  |
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The total fee believed due is \$0.00. Please charge this amount and any other fees which may be due (including filing fees under 37 CFR 1.16 and processing fees under 37 CFR 1.17) to Deposit Account No. 01-1350. If an extension of time is required but has not been requested above, Applicant hereby petitions for an extension of time sufficient for the attached document(s) to be timely. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Susan Hess

Susan Hess  
Attorney for Applicant(s)  
Reg. No. 37,350

Akzo Nobel Inc.  
Intellectual Property Department  
7 Livingstone Avenue  
Dobbs Ferry, NY 10522-3408  
Tel No.: (973) 422-7474

\* IFW DID NOT RECEIVE



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
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**INFORMATION DISCLOSURE STATEMENT**

In accordance with the requirements of 37 CFR §1.56, applicants submit the documents attached hereto. Pursuant to the United States Patent and Trademark Office, OG Notice 05 August 2003, applicants have excluded the seven (7) U.S. patent documents from the attachment. A listing of said documents on form PTO-1449 is also attached. All documents listed on the PTO-1449 are to be made of record in the above-identified case.

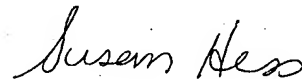
It is believed that the present Information Disclosure Statement is being filed prior to the mailing date of the First Office Action; therefore, no filing fee is believed to be required. If a filing fee is required, the Commissioner is hereby authorized to charge applicants' deposit account 01-1350 for the full amount of said fee.

French Patent Application No. FR 1.434.712 is not in the English language. Applicants submit herewith related patents, U.S. No. 3,318,925; U.S. No. 3,318,926; U.S. No. 3,318,927; U.S. No. 3,318,928; and U.S. No. 3,318,929.

This Statement is not intended to represent that no better art exists. Applicants reserve the right to contest the applicability of the documents attached hereto as prior art in the event that any information is discovered which demonstrates that said documents do not qualify as prior art.

Consideration of the present Information Disclosure Statement is respectfully requested. The claimed invention is, however, deemed to represent a patentable departure from the teachings of the prior art.

Respectfully submitted,



Susan Hess  
Attorney for Applicant(s)  
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INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)  
PTO-1449 (modified)

Atty. Docket #

2003.810 US

Serial No.

10/584,006

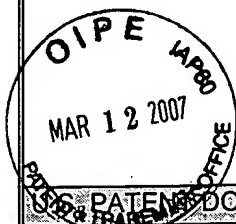
Applicant

Jaap VAN DER LOUW et al.

Filing Date

June 22, 2006

Group Art Unit



U.S. PATENT DOCUMENTS

Init	Document Number	Date	Name	Class	Subclass	Filing Date
	3,318,925	05-1967	Anner et al.	260	397.4	
	3,318,926	05-1967	Anner et al.	260	397.4	
	3,318,927	05-1967	Anner et al.	260	397.5	
	3,318,928	05-1967	Anner et al.	260	397.5	
	3,318,929	05-1967	Anner et al.	260	397.5	
	3,959,322	05-1976	Hughes et al.	260	397.4	
	4,788,218	11-1988	Tanabe et al.	514	510	

FOREIGN PATENT DOCUMENTS

	Document Number	Publ. Date	Country	Class	Subclass	Translation	
						Yes	No
	WO 85/05361 A1	12-1985	PCT International	C07J	63/00		
	WO 99/67271 A1	12-1999	PCT International	C07J	1/00		
	WO 00/53619 A1	09-2000	PCT International	C07J	15/00		
	WO 0059920 A2 & A3	10-2000	PCT International	C07J	1/00		
	WO 01/05806 A1	01-2001	PCT International	C07J	1/00		
	FR 1.434.172	04-1966	France	C07c	A61k		X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	International Search Report for Application No. PCT/EP2004/053475 dated July 5, 2005.
	International Preliminary Report for Application No. PCT/EP2004/053475 dated June 26, 2006.
	Written Opinion of the International Searching Authority for Application No. PCT/EP2004/053475.
	Markiewicz, L. et al., "Estrogenic and Progestagenic Activities of Physiologic and Synthetic Androgens, as Measured by <i>In Vitro</i> Bioassays," Meth. Find. Exp. Clin. Pharmacol., Vol. 19, No. 4 (1997) pp. 215-222.
	Seaman, W. J., "Canine Ovarian Fibroma Associated with Prolonged Exposure to Mibolerone," Toxicologic Pathology, Vol. 13, No. 3 (1985) pp. 177-180.
	Ananchenko, S. N. et al., "Syntheses of Derivatives of Oestrane and 19-Norsteroids from 6-Methoxy-Tetralone and 6-Hydroxytetralone," Tetrahedron Vol. 18 (1962) pp. 1355-1367.
	Avery, M. A. et al., "Synthesis and testing of 17 $\alpha$ -hydroxy-7 $\alpha$ -methyl-D-homoestra-4,16-dien-3-one: a highly potent orally active androgen," Steroids, Vol. 55 (1990) pp. 59-64.
	Johns, W. F. et al., "Synthesis and Reactions of 17 $\beta$ -Oxygenated 16 $\alpha$ ,17-Cyclopropylandrostanes," J. Org. Chem., Vol. 36, No. 14 (1971) pp. 1952.
	Ito, Y. et al., "Reaction of 1-Silyloxybicyclo[n.1.0]alkanes with Fe <sup>III</sup> Cl <sub>3</sub> . A Facile Synthesis of 2-Cycloalkenones via Ring Enlargement of Cyclic Ketones," J. Org. Chem., Vol. 41, No. 11 (1976) pp. 2073-2074.
	Schoonen, W.G.E.J. et al., "Notes & Tips," Article No. AB982681, Analytical Biochemistry, Vol. 261 (1998) pp. 222-224.
	Hakola, K. et al., "Recombinant rat luteinizing hormone; production by Chinese hamster ovary cells, purification and functional characterization," Molecular & Cellular Endocrinology, Vol. 128 (1997) pp. 47-56.
	van Casteren, J.I.J. et al., "Development of Time-Resolved Immunofluorometric Assays for Rat Follicle-Stimulating Hormone and Luteinizing Hormone and Application on Sera of Cycling Rats," Biology of Reproduction, Vol. 62 (2000) pp. 886-894.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.